

CLAIMS

1. A filter cartridge which comprises:
 - an elongated filter medium having a first end and a second end,
 - a first sealing plate sealed to said first end,
 - a second sealing plate sealed to said second end,
 - a fluid passageway sealed to said first sealing plate to provide fluid communication to an open interior within said filter medium,
 - said fluid passageway having an outside surface including two substantially parallel flat surface and
 - a fluid porous housing surrounding an outside surface of said filter medium.
2. The filter cartridge of Claim 1 wherein said filter medium is a depth filter.
3. The filter cartridge of Claim 1 wherein said filter medium is a pleated filter.
4. A filtration module which comprises:
 - a manifold, a filter cartridge and a bowl which houses the filter cartridge, and means for locking said bowl to said manifold,
 - a key secured to two substantially parallel surfaces on an outer surface of a fluid passageway formed with the filter cartridge, said key having at least two attachment elements attached to said bowl, said filtration cartridge and bowl being in fluid communication with said manifold in a manner which prevents mixing of a fluid feed to said filtration cartridge with a permeate removed from said filtration cartridge.
5. The filtration module of Claim 4 wherein said key is attached to said bowl by prongs extending from said key which fit over a lip of said bowl.
6. The filtration module of Claim 4 wherein said key is attached to said bowl by flanges extending from said key which fit into slots on a collar, said collar being directly attached to an open end of said bowl.
7. The filtration module of Claim 6 wherein said bowl and said collar comprises a unitary construction.

8. The filtration module of any one of Claims 4, 5, 6 and 7 which includes an inlet for fluid feed to said bowl and an outlet for permeate from said filter cartridge.

9. The filtration module of any one of Claims 4, 5, 6 and 7 which includes an inlet for fluid feed to said filter cartridge and an outlet for permeate from said bowl.

10. The filtration module of any one of Claims 4, 5, 6 or 7 wherein said key includes at least one vertical extension, each of said at least one vertical extension being fit into a vertical slot in said collar.

11. The method for reducing a required inventory of filter cartridges which fit with both a first set of filter bowl being free of a slot on an inner surface of said first set of filter bowls and a second set of filter bowl having at least two slots on a second inner surface of said second set of filter bowls which comprises:

providing said second set of filter bowls with a key having at least two flanges which fit into said at least two slots, said key being removable from said second set of filter bowls.

12. The filtration module of any one of Claims 4, 5, 6 or 7 wherein said key includes at least two flanges and each of said flanges has a boss on an outside surface of each of said flanges.

13. The filtration module of any one of Claims 4, 5, 6 or 7 wherein said key includes at least two flanges and each of said flanges includes a groove on a lower surface of each of said flanges, said groove shaped to mate with an inner surface of a collar attached to said bowl.

14. The filtration module of any one of Claim 8 wherein said key includes at least two flanges and each of said flanges includes a boss on an outside surface of each of said flanges.

15. The filtration module of any one of Claim 9 wherein said key includes at least two flanges and each of said flanges includes a boss on an outside surface of each of said flanges.

16. A sealing plate for a filter cartridge comprising:
a plate having a fluid passageway extending through said plate,
said fluid passageway having an outside surface including two substantially parallel
flat surfaces.